



Col
J

FEE TRANSMITTAL		COMPLETE IF KNOWN						
		Application Number		10/706,984 Patent No. 7,176,614				
		Filing Date		11/14/2003				
		First Named Inventor		Soo-Joung LEE et al.				
		Group Art Unit		2879				
		Examiner Name		RAABE, CHRISTOPHOER, M				
TOTAL AMOUNT OF PAYMENT		\$100.00		Attorney Docket Number		P56908		
METHOD OF PAYMENT (check one)								
1. <input checked="" type="checkbox"/> Payment enclosed: <input checked="" type="checkbox"/> Check # 52189 <input type="checkbox"/> Money order <input type="checkbox"/> Other			2. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to: Account Number: <u>02-4943</u> Deposit Account Name: <input type="checkbox"/> Charge any additional fee required under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Charge the issue Fee set in 37 CFR 1.18 at the mailing of the Notice of Allowance. 37 CFR 1.311 (b).					
FEE CALCULATION								
<p style="text-align: right;">Certificate MAR 07 2007 of Correction</p>								
Fee Code		Fee(s)		Fee Description			Fee Paid	
1811		1020(a)		Certificate of Correction			\$100.00	
TOTAL:							\$100.00	
submitted by: Robert E. Bushnell, Attorney-at-Law Suite 300, 1522 "K" Street, N.W. Washington, D.C. 20005-1202						Complete (if applicable)		
Typed or Printed Name		Robert E. Bushnell		Payor No. <u>008439</u>		Reg. No. 27,774		
Signature				Date March 2, 2007		Deposit Account User ID		

REB/SYK

MAR 7 2007



PATENT
P56908

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Patent No.: 7,176,614
(Issued on 13 February 2007)

Soo-Joung Lee, et al.

Serial No.: 10/706,984

Examiner: Raabe, Christophoer M

Filed: 14 November 2003

Art Unit: 2879

For: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING
CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

REQUEST FOR CERTIFICATE OF CORRECTION

MAIL STOP: Certificate of Correction

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. §1.323, Applicant requests approval of the accompanying Certificate of
Correction to correct

In the O.G.page: (73) Assignee:

From: " Samsung Electronics Co., Ltd. "

To - - **Samsung SDI Co., Ltd..** - - :

Folio: P56908
Date: 3/2/07
I.D.: REB/syk

03/05/2007 SZEWDIE1 00000021 7176614

01 FC:1811

100.00 OP

MAR - 7 2007

REMARKS

The mistake was made by the Applicant. The correction, which does not involve changes in the patent that constitute new matter or require reexamination.

The appropriate fee of \$100.00 under 37 C.F.R.1.20(a) accompanies this Request.

Also enclosed are copies of Filing Receipt, Notice of Recordation of Assignment Document and signed Assignment recorded on Reel No. 014701 and at Frame No. 0487.

Respectfully submitted,



Robert E. Bushnell,
Attorney for the Applicant
Registration No.: 27,774

1522 "K" Street, N.W., Suite 300
Washington, D.C. 20005
(202) 408-9040

Enclosures: Check No. 52189 (for \$100.00) and
copies of Filing Receipt, Notice of Recordation of Assignment Document and
signed Assignment

Folio: P56908
Date: 3/2/07
I.D.: REB/syk

MAR - 7 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,176,614
APPLICATION NO.: 10/706,984
ISSUE DATE : 13 February 2007
INVENTOR(S) : Soo-Joung Lee, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent
is hereby corrected as shown below:

In the O.G. page:

(73) Assignee:

Please correct: “ Samsung Electronics Co., Ltd. “

to - - Samsung SDI Co., Ltd. - -

MAILING ADDRESS OF SENDER:

Robert E. Bushnell, Esq.
1522 K Street, N.W., Suite 300
Washington, D.C. 20005

MAR - 7 2007

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**

PATENT NO : 7,176,614
APPLICATION NO.: 10/706,984
ISSUE DATE : 13 February 2007
INVENTOR(S) : Soo-Joung Lee, et al.

It is certified that error appears in the above-identified patent and that said Letters Patent
is hereby corrected as shown below:

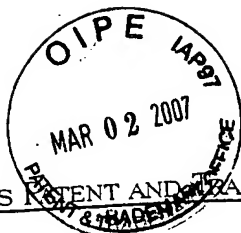
In the O.G. page:
(73) Assignee:

Please correct: “ Samsung Electronics Co., Ltd. “

to - - Samsung SDI Co., Ltd. - -

MAILING ADDRESS OF SENDER:
Robert E. Bushnell, Esq.
1522 K Street, N.W., Suite 300
Washington, D.C. 20005

MAR - 7 2007



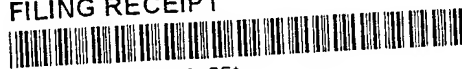
UNITED STATES PATENT AND TRADEMARK OFFICE

 UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/706,984	11/14/2003	2673	770	P56908	4	20	2

CONFIRMATION NO. 7494

FILING RECEIPT



OC000000011946155

 Robert E. Bushnell
 Suite 300
 1522 K Street, N.W.
 Washington, DC 20005-1202

FEB 24 2004

WC

Date Mailed: 02/23/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

 Soo-Joung Lee, Ahnyang-city, KOREA, REPUBLIC OF;
 Hun-Young Kim, Seoul, KOREA, REPUBLIC OF;

Domestic Priority data as claimed by applicant

Foreign Applications

REPUBLIC OF KOREA 0003278/2003 01/17/2003

If Required, Foreign Filing License Granted: 02/19/2004

Projected Publication Date: 07/22/2004

Non-Publication Request: No

Early Publication Request: No

Title

Flat panel display device having anode substrate including conductive layers made of carbon-based material

Preliminary Class

MAR - 7 2007

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Office of Export Administration, Department of Commerce (15 CFR 370.10 (j)); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

MAR - 7 2007

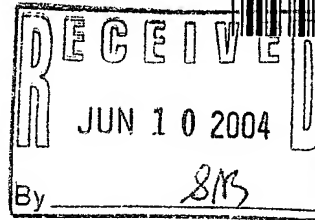


UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND
DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

JUNE 07, 2004

PTAS
ROBERT E. BUSHNELL, ATTORNEY AT LAW
1522 K STREET, N.W., SUITE 300
WASHINGTON, DC 20005-1202



102605097A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 11/14/2003

REEL/FRAME: 014701/0487

NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

LEE, SOO-JOUNG

DOC DATE: 11/03/2003

ASSIGNOR:

KIM, HUN-YOUNG

DOC DATE: 11/03/2003

ASSIGNEE:

SAMSUNG SDI CO., LTD.
575, SHIN-DONG
PALDAL-GU
SUWON-CITY, KYUNGKI-DO
REPUBLIC
OF KOREA

MAR - 7 2007

014701/0487 PAGE 2

SERIAL NUMBER: 10706984

FILING DATE: 11/14/2003

PATENT NUMBER:

ISSUE DATE:

TITLE: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE INCLUDING
CONDUCTIVE LAYERS MADE OF CARBON-BASED MATERIAL

MARCUS KIRK, EXAMINER

ASSIGNMENT DIVISION

OFFICE OF PUBLIC RECORDS

MAR - 7 2007

11-20-2003
102605097
PATENTS ONLY

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

1) SOO-JOUNG LEE
2) HUN-YOUNG KIM

Additional name(s) of conveying party(ies) attached? ☐ Yes ☐ No

2. Name and address of receiving party(ies):

SAMSUNG SDI CO., LTD.,
a corporation organized under the laws of the Republic of Korea
575, Shin-Dong
Paldal-Gu, Suwon-City, Kyungki-Do
Republic of KOREA

3. Nature of conveyance

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: November 3, 2003

Additional name(s) & addresses attached? ☐ Yes ☒ No

4. Application number(s) or Patent number(s):

If this document is being filed together with a new application, the execution of the application is: **14 November 2003**

A. Patent Application No.(s)

B. Patent No.(s)

101706984

Additional number(s) attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robert E. Bushnell
Attorney at Law
Suite 300, 1522 "K" Street, N.W.
Washington, D.C. 20005-1202
(202) 408-9040

6. Total Number of applications and patents involved: ONE

7. Total fee (37 CFR § 3.41) \$ U.S. \$40.00

- ☒ Enclosed (Check #44976)
☐ Authorized to be charged to deposit account

8. Deposit Account Number:

(Attach duplicate copy of this page if paying by deposit account)

11/20/2003 DBYRNE 00000026 10706984

01 FC:8021

40.00 OP

DO NOT USE THIS SPACE

9. Statement and Signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

ROBERT E. BUSHNELL

Name of Person Signing

Robert E. Bushnell
Signature

14 November 2003

Date

Total number of pages including cover sheet: TWO

OMB No. 0651-0011 (exp. 4/94)

Do not detach this portion

Mail documents to be recorded with the required cover sheet information to:

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

03945 U.S. PTO
10706984



111403

ASSIGNMENTDOCKET NO. P56908

AS A BELOW NAMED INVENTOR, I, and each of us, individually hereby declare that:
IN CONSIDERATION of the sum of TEN (\$10.00) dollars or the equivalent thereof, and other good and valuable consideration, the receipt of which from the hereinafter named Assignee is hereby acknowledged, I do hereby sell, assign and forever grant and convey unto:

ASSIGNEE:

SAMSUNG SDI CO., LTD.,

a corporation organized under the laws of the Republic of Korea,

ADDRESS:

575, Shin-Dong

Paldal-Gu, Suwon-City, Kyungki-Do

Republic of KOREA,

Who is my Assignee, and to the successors and assigns of my Assignee, all my right, title and interest, in and for the United States of America and all other countries, including all rights of priority, in and to the invention entitled:

**TITLE: FLAT PANEL DISPLAY DEVICE HAVING ANODE SUBSTRATE
INCLUDING CONDUCTIVE LAYERS MADE OF CARBON-BASED
MATERIAL**

invented by me (if only one inventor is named below) or us (if more than one inventor is named below) and described in an application for a United States patent the specification of which is either attached hereto or otherwise accompanies this Assignment, or is more particularly identified as:



executed on even date herewith, or



Serial No. _____ filed in the U.S. Patent & Trademark Office on _____, or



executed on _____

and in and to all United States patents which may be granted thereon and therefore, and in and to all certificates of corrections, divisions, continuations, continuations-in-part, reissued and re-examined patents, and to any extensions thereof, said interest being the entire ownership of the patent when granted, to be held and enjoyed by said SAMSUNG SDI CO., LTD., my Assignee, its successors, assigns or other legal representatives, to the full end of the term, terms, or any extension or renewal thereof, for which said patent or patents may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment, sale and conveyance had not been made;

AND I hereby covenant and agree to sign and execute, without receiving any money or other consideration, any further documents or instruments which may from time-to-time be either necessary, lawful, proper or requested by the Assignee, in the prosecution of the above-named application or in the preparation and prosecution of all substitute applications, certificate of correction, division, continuation, continuation-in-part, reissue, re-examination, in any amendment, extension, or interference proceeding, whether administrative or judicial, or otherwise, to secure the title hereto in said Assignee, together with the right of priority under the International Convention for the Protection of Industrial Property, Inter-American Convention Relating to Patents, Designs and Industrial Models, and any other international agreement or treaty to which the United States of America adheres;

AND I do hereby authorize and request the Commissioner of Patent & Trademarks to issue said Patent or Patents to the Assignee, and I hereby appoint as my, or our attorney, and authorize and request R. E. Bushnell, Reg. No. 27,774, to insert on this Assignment any further identification or to complete such identification which may be either necessary or desirable in order to comply the rules of the United States Patent & Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I and we have set our hands and seals on the dates written beside my and our respective names:

INVENTOR(s)Date SignedWitness(es)

1) Soo-Joung Lee (Seal)
SOO-JOUNG LEE

Nov. 3, 2003

Park Yun-Ha
Yun-Ha Park

2) Hun-Young Kim (Seal)
HUN-YOUNG KIM

Nov. 3, 2003

Park Yun-Ha
Yun-Ha Park

3) _____ (Seal)

4) _____ (Seal)



Additional inventors are being named on separately numbered sheets attached hereto.

MAR - 7 2007